

1907 nc.1

New Mexico
Arizona
California

Vernon Bailey

Washington D.C.
1907.

4 P.M.
or Calif.

ry.

the
ridge

out
on
l.

m.

2.44.

2.44.

at beach

May 27

Left Washington, B & O at 4 P.M.
for St. Louis, El Paso & Calif.
Corn just coming up.

Dark after Harpers Ferry.

May 28

Breakfast at Cincinnati.
A cold night, frost on ridge.
Crops backward -
Corn not up

Kincaid - Ind.

Winter eye headed out
wheat small & poor -
Corn up in one field.

St. Louis 5:27 P.M.

May 29 Kansas City 7:50 A.M.

Left K. C. at 9:55 A.M.

Tapoka

Crops ahead of Ill. & Mo.

Corn up in rows

Rye & some barley & wheat heads
some alfalfa

McPherson

More open plains
Orange orange hedges
Some good orchards
Lepus melanotis 4
Citellus 13lineatus 1

Hannan

Lepus melanotis 3
R.R. crossing
Yucca glauca in flower
Mulberry grove
Lepus melanotis 1

Hutchinson

Big prairie town
Big dry canal
Partridge
Lepus melanotis 4
somewhat little town

Lepus melanotis 9

Laragon

Lepus melanotis 3

Preston

Burrowing owl 2
1 *Lepus melanotis* 3

Proctor

L. melanotis, 7 in one hollow

Park near Oklahoma line

May 30.

Daylight at Tucuman
Raining, grass well up
Santa Rosa 8 AM. 4700
Yucca glauca not in blossom
Mesquite leaves rot out
Gutierrezia - getting green
Verbera in full flower
Leonita

Torrance

Pinus ponderosa - on hills
" edulis " "
Juniperus monosperma
Quercus gambeli - shrubby, abn.
Yucca baccata com
" *glauca* "
Rhus trilobata "
Opuntia arborescens "
Atriplex canescens a
Gutierrezia euthamiae "

Corrigo

5 miles south of Corrigo
Cordia alliodora begins, com
Mesquite, in bop. " "

Tulosa

Alamo Verde
Yucca radiosa beginning to flower
Cordia - a few flowers

El Paso 5:30 Cold

Yonquiers, buds, no leaves

Deming, 7:30 P.M.

May 31 Deming

Misquits in full leaf & blossom

Yucca radiosa, in bud only.

Coudalia

Zizyphus

Ephedra

Artemisia filifolia abu

Chilopsis ~

Cucurbita megarrhiza

"

Rumex alata, big roots, vine

Mullberry com

Populus

Opuntia arborescens? afar

Lissaea salicifolia? com

"

glutirasa? "

Deming to Silver

Cynomys ludovicianus, abu. +
young just out of burrows

Citellus spilosoma 3,

Lepus texianus

" arizonae com

Dipodomys spectabilis, abu.

Thomomys hills, com.

Neotoma house "

Canis meausi 1

Zapidea 1

Deming May 30-31

<i>Agelaius vociferus</i>	heard
<i>Buteo swainsoni</i>	com
<i>Zenaidura</i>	"
<i>Chondestes</i>	2
<i>Tyrannus vociferans</i>	com.
<i>Myiarchus cinerascens</i>	1
<i>Sayornis saya</i>	2
<i>Coscorus cryptoleucus</i>	3
<i>Otocoris</i>	1
<i>Icterus bullocki</i> in town	com.
<i>Carpodacus frontalis</i>	" "
<i>Zonotrichia</i>	" "
<i>Passer domesticus</i>	" "
<i>Hirundo</i> nests	" "
<i>Mimus l. leucophaea</i>	"
<i>Colaptes auratus</i>	4
<i>Geococcyx</i>	2
<i>Aquila chrysaetos</i>	2

June 1

<i>Icterus perisoreus</i>	2 a pair
<i>Speotyto</i> & family of yg.	
<i>Cactus wren</i> & nest	
<i>Tyrannus verticalis</i>	com.
<i>Geococcyx</i>	2

Silver City May 31.

<i>Blue Grosbeak</i>	1 in town
<i>Chondestes</i>	com.

June 1, Deming 2:30 PM

Same vegetation all along
to Gage - & beyond -
Red Mtn. - all bare,
North slope may be Upper Sonoran,
Victoria Mts, bare rocks, low,
bushes only on N. slopes
Valley lower Sonoran
Sepul
Lower Sonoran
Lordsburg

Lordsburg June 2 -

<i>Tyrannus verticalis</i>	com, nests
<i>Myiarchus cinerascens</i>	com
<i>Contopus richardsoni</i>	2
<i>Tamias</i>	com
<i>Otocoris</i>	"
<i>Hirundo</i> & nests	"
<i>Harporhynchus curvirostris</i>	2
<i>Sayornis saya</i>	
<i>Amphispiza bilineata</i>	abu
<i>Icterus perisoreus</i>	2
<i>Zenaidura</i> & nest	com.
<i>Mimus leucophaea</i>	"
<i>Colaptes platycircus</i>	2 heard
<i>Passer domesticus</i>	com in town
<i>Chondestes</i>	4

Lordsburg June 2

Covillea	abn
Prosopis glandulosa	com
Koeberlinia	"
Ephedra	"
Lissaria glutinosa?	"
Condalia	"
Bumelia microphylla	"
Prosopis juliflora in varber	
Zinnia angustifolia	com
" pallida	a few
Opuntia gelotii	com
" leptocaulis	"
" engelmannii	a few
"	purple pads, few of purple
"	brownish pads com
Echinocactus wislizeni	on ridge
Mammillaria	1 big flat
Agave	big, a few
Bastardian	on hills, com.
Yucca radiosa	abn
" baccata	a few
Yucca Yucca rostrata	com
Atriplex farnesiana	"
Zonguaria	on hills "
Parkinsonia aculeata	in yards
Chilopsis	along streams

Lordsburg left 3 P.M.

June 3

4475

All level to Summit &
all lower Sonoran

Summit

4475

Down grade to Gila

Duncan

3850

Barley ripe or nearly
Apple some cut & stacked
Apples peroviti abn big
Cacti 16 in high
Potatoes 1 foot high
Cabbage, turnips, onions
being gathered

Zinnia borealis abn, along river
Atriplex big bushy
Prosopis glandulosa in full flower
Zinnia linearifolia? com, each
Chilopsis in full flower
Salix nigra a few
Artemisia filifolia com.
Artemisia tridentata? abn. in flower
Cultis in garden
Bigelovia canescens big, on flats

Quartz
Lipton

3650
3700

Gila River

Eriogonum 316 obs.

Lophortyx gambeli 295 4, 3,

Mimus leucophaea 703 com

Oryzopsis vocifera 273 1

Chondestes vaudae 263 4

Pyrocephalus? 1 near Guthrie

Guthrie 3450,

Cardinalis 1

Clifton 3700

Amphispiza bilineata 5 com

Salpinctes 1

Clifton

Garrula

com. NW. slopes

Acacia constricta com. in flower

Dasylirion com. NW. slopes

Fouquieria in fruit

Opuntia engelmannii " "

" *schottii* " " a few flowers

" *leptocaulis* " " + flowers

Whole set of Lower Sonoran plants.

Albend trees in blossom

Parkinsonia in flower in yards

Prosopis glandulosa

Acacia constricta

Mimosa biocarpa? catclaw, in flower

Zizyphus

Larrea

Ephedra trifurcata

Yucca californica com

" *baccata* a few

Opuntia schottii

" *leptocaulis*

" *engelmannii*

" *big. no spines*

" *brown spines*

Cercos angustifolia, *petiolaris* on rock

Clifton June 3

Guthrie

Coronado - on ranch
daily stage to Salinasville

Juniperus monosperma, a few
on N.E. slope at Coronado

Lycium pallidum, in spots

Salinas

Lordsburg

4300

Lower Sonoran all the way

Brockman

4350

Good section house, pump, & tanks.

Forest of Yucca radiata

Ephedra trifurcata

abn

Good grass

Hachita

4550

Yucca radiata

abn.

" boreata

abn

Cavillea

com

Lissocia glutinosa

abn

Ephedra trifurcata

Prosopis glandulosa

a few

Valle de las Playas

4575

Orinias

4500

Agave

fig a few

Juniperus

in spots

Rodriguez

4220

June 3

Clifton

Guthrie

Cardinalis

2

Mimus luechters

com

Zenaidura

abn.

Catherpes aura

2

Buteo calurus

2

Duncan

Cardinalis

1

Lanius

1

W. Wash

Colaptes auratus

2

Lordsburg

Brockman

Corvus cryptoleucus

abn.

Geococcyx

1

Callipepla

2

Hachita

Chiricahua

Upper Sonoran

Cynomys ludovicianus com

Dipodomys spectabilis abn

Schoenelirichs com

Sturnella 2

Brennerdine

Lower Sonoran again

Agave sig

Douglas

Prosopis glandulosa abn

Baccharis glutinosa "

Covillea "

Acacia constricta "

Chilopsis "

Louquieria on ridges

Agave veg in hills

Saxifrage " "

Yucca baccata ? " "

Over ridge

Juglans along cr.

Bisbee Junco

Udora

Sturnella 2

San Pedro R.

Prosopis glandulosa abn

~~*pubescens*~~ "

Mimosa biuncifera com

Acacia constricta "

Populus fremontii along river

Tessaria bouchei " "

" *linearis* ? " "

Yucca schottii com

Opuntia schottii ?

"

Atriplex torreyi ? veg

Fairbanks

Benson

Procyon tracks along cr.

Lynx " "

Lepus arizonae a few

Thomomys hills abn

Dipodomys merriami

Benson -

<i>Zenaidura</i>	abn.
<i>Scardafella inca</i>	in town
White winged dove	1 heard
<i>Callipepla squamata</i>	com
<i>Lophortyx gambeli</i>	"
Mexican quail, said to be in Yellowstone Park.	1 heard
<i>Oxyechus vociferus</i>	com
<i>Chondestes tenuis</i>	"
<i>Tyrannus vociferans</i>	"
" <i>verticalis</i>	1
<i>Myiarchus cinerascens</i>	1
<i>Sayornis</i>	young flying
<i>Pipilo</i>	abn.
<i>Catherpes</i>	
"	
"	
<i>Cardinalis</i>	com
<i>Pipilo aberti</i> ("Camp bird")	"
<i>Carpodacus frontalis</i>	"
<i>Amphispiza bilineata</i>	"
<i>Vireo stephensi</i> ?	abn.
<i>Auriparus flaviceps</i>	1
<i>Icteria v. longicauda</i>	com
<i>Mimus ludophra</i>	abn.
<i>Heliodites</i>	
<i>Piranga ludoviciana</i>	18 drinking
<i>Gaucha c. azurea</i>	18
<i>Molothrus</i>	2
<i>Cathartes aura</i>	2
<i>Buteo borealis calurus</i>	1
"	#

Salpinctes, in Yellowstone Mts.

one came to mine shaft & carried away 15 millers in an hour & worked 10 hours a day - feeding young. Carried stones & put in front of nest - Old miner.

Sayornis

Corvus cryptoleucus

2

Stelgidopteryx 1 no bird band 2

Taxostoma brevirostris ? faint ^{speaking} 1

one came down to drink

Taxostoma curvirostris

2

died in sand toad of - like ho- gets food rapidly - digs deep hole with 3 quick strokes.

Ransom

Prosopis glandulosa abn.

Mimosa roemeriana com.

Acacia constricta on mesa "

Baccharis borealis along R. abn.

Lucanophila com.

~~*Zinnia*~~ full of ripe fruit on

Populus fremontii along R. a few

Shalix nigra " "

Atriplex torreyi " abn.

Suaeda affinis com.

Roeberlinia on mesa com.

Lycium andersonii " "

Ephedra " "

Covillea on mesa

Opuntia sebatti? a few

Opuntia engelmannii on mesa

" brown spined a few

Left Ransom 4:30 P.M.

Agave big.

Opuntia sp. very spiny, fruit.

first seen near Pantano

Pantano very spiny

Opuntia sp. very spiny

Agave com.

Yucca palmieri, not blooming, com.

Yucca radiosa in flower

Boquiera sp. very abn.

Tron

Cereus giganteus fruit.

Echinocereus wislizenii com.

Poliochloa com. fruit

Parkinsonia microcarpa

Zueson

Tucson June 5.

<i>Arceuthobium</i>	abu.
<i>Echinocereus wislizenii</i>	com.
<i>Opuntia spinosa</i>	abu.
" <i>versicolor</i>	"
" <i>schottii</i> ?	"
" <i>englemanni</i> ?	"
" brown spined	a few
" <i>leptocaulis</i>	"
" , 1, larger than <i>leptocaulis</i>	
<i>Agave</i>	
<i>Yucca palmieri</i>	com.
" <i>radiosa</i>	com.
<i>Fouquieria</i>	abu.
<i>Prosopis glandulosa</i>	"
<i>Mimosa socomeriana</i>	abu.
<i>Acacia constricta</i>	"
<i>Parkinsonia microcarpa</i>	"
"	
<i>Koeberlinia spinosa</i>	com.
<i>Ephedra</i>	"
<i>Boerhaavia boerhaavia</i>	"
" <i>livicaulis</i> ?	"
<i>Lycium andersonii</i>	
<i>Zizyphus</i>	
<i>Populus fremontii</i>	
<i>Chilopsis</i>	
<i>Salix nigra</i>	
<i>Moussia</i> ?	on hills.
<i>Krameria</i>	

In town - Tucson

Fig trees	
Palmes, Washingtonia	
Alcornoques, pink & white, trees in flower	
Pippin berry	old, common
Mulberry	ripe -
Zamorisk	com.
Chinaberry + Umbrella trees	com.
Cottonwood	abu.
Willow - nigra	"
<i>Nicotiana glauca</i>	com.
<i>Arundo donax</i>	by water

<i>Atriplex canescens</i>	com.
<i>Dipodomys spectabilis</i>	com.
" <i>merriami</i>	a
<i>Citellus tereticaudus</i>	abu.
" <i>gramurus</i>	1
<i>Onychomys leucogaster</i>	a few.
<i>Thomomys</i>	abu.
<i>Lepus arizonae</i>	com.
" <i>texensis</i>	"

Crotalus

F. Tucson

Zenaidura @ few
Buteo calurus 1
Cathartes aura
Falco sparverius on giant cactus
Thamnis vociferans
Sayornis saya + nest
Pipilo maculatus 1 ♀
Chondestes texensis 1
Colaptes chrysoides 1
Lanius a few
Molothrus ater 3
Turdus palmeri
~~"~~
Heliodytes nests, com.
Mimus lucifera "
Catherpes on desert oak -
Carpodacus frontalis com.
Amphispiza bilineata 1
Passer domesticus, H. Ariz. a few
Pipilo c. hesperus 2

Casa Grande Station June 7.

Prosopis glandulosa, abn.
 in fruit & flowers.
Croton in fruit, abn.
Atropis small leaf "
Yucca low, spiny "
Echinocactus wislizeni 2
Cereus giganteus 1

In Parks

Nashingtonia com.
 Date palms - bearing -
 Figs a few
 Oleander trees 3 colors
 Mulia, umbrella trees com.
Nicotiana glauca abn.
Opuntia fig trees com.
 Pepper tree, full of berries abn.
Fraxinus along street com.
Populus fremontii, evergreen, a few
 Grapes
 Portegranites, full of fruit.
 Olive trees
Parsonsia aculeata? com.
Prosopis pubescens 2 in garden
 Roses abn.

Casa Grande June 7,
Calisaya gambeli, obs. half grown
Zonaidura 2 nests, obs.
Melospiza lincolni com.
Catherpes aura 3
Buteo 1
Chordeiles texensis 1
Zyranus vociferans
"
Micropus cinereus 2
Sayornis saya 1
Troglodytes lecontei com.
Mimus lincolni "
Pipilo "
Hirundo "
Icterus "
Aquila 3
Larus com.
Troglodytes bairdi "
" "
" "
 Black capped 2 nests
 nests, com.
 several

June 8 back to Mts.
Cereus giganteus obs.
Opuntia spinosa "
" *versicolor* a few.
O.
Echinocactus wislizeni com.
Echinocereus engelmannii 1
Lycium 3,
Parkinsonia microcarpa obs.
Fouquieria "
Croton "
Prosopis glandulosa "
Mimosa roemeria "
 "

June 9 - Casagrande, 9 AM.

Tratons House

Holocanthus

abu.

Prosopis glandulosa

Covillea

Atriplex

Lycium

Maricopa

Cereus giganteus

Holocanthus

Parkinsonia microcarpa

Covillea

Atriplex

Mobile

Iron tree, Oliva

abu

Parkinsonia

Estrada Mts.

Cereus giganteus

abu.

Maricopa Mts.

Cereus giganteus

abu

Opuntia spinosa

"

"

"

"

Fogwiera

"

Iron tree

"

Poloverda

Prosopis glandulosa

Mimosa roemeriana

com
abu

Gila

Azte

Giant cactus

Gila City = Monitos

Atriplex hymenocarpa first seen

Salta

Yuma

Bottoms flooded

~~Plumera~~ ~~salvia~~

Baccharis glutinosa along R at 21.

Atriplex 3

1

"

Salix

"

"

Populus

"

"

Prosopis pubescens

"

Poloverda

on mesa

"

Iron tree

"

"

Fogwiera

"

"

Covillea

"

"

Salta

2

"

Atriplex

"

Opelby

35 2 feet

Mammoth

Saltor Sea - first view.

Polaverde com
Iron tree "
Covillea "
Sala big blue "
" small "
Atriplex low "
Ephedra big "

Shore of Saltor Sea
Flaming Well

Imperial Junction
Iron tree com
Atriplex "

Covillea "

Volcano

Atriplex
Suaeda
Bastard
Prosopis glandulosa? a few
Atriplex abu

Covillea com,

Duravel

Sala, big blue again
Prosopis glandulosa a few
Atriplex
Covillea

Saltor

just Atriplex & a little Sala
3 Mesquite trees

Covillea

Iron tree

Mesquite

Polaverde

afew - com
2 com.

Mesa end of Saltor Sea.

Prosopis pubescens^{abu.} first
Washingtonia in yards
Atriplex torreyi? big, abu.
Covillea abu.

Suaeda

Ranches & fruit & trees^{abu.}

Coahuilla

Eucalyptis trees

Pappus trees

Prosopis glandulosa

Baccharis viminea

Indio

June 10, Indio - 22 ft below ^{sea level}

Washingtonia
 Populus fremonti
 Prosopis glandulosa abn
 " pubescens a few
~~Bluea borealis~~
~~Baccharis canescens~~ abn
 Atriplex ^{lentiginosa?} torreyana? big
 " canescens "
 " polycarpa? low "
 Baccharis ~~torreyana~~ viminalis com
 " "serotina"? "
 Suaeda suffruticosa big "

Indio -

Populus fremonti com
 Melia - umbellata tree "
 Nicotiana glauca com
 Oleander "
 Date palms "few, yg."
 Orange trees a few
 Fig
 Agave big
 Lantana bush
 Pepper trees com
 Pomegranates com, in fruit

Indio
Side of valley

Coville abn
 Atriplex polycarpa "
 " hymenalytra "
 Lycium cooperi big "
 " andersoni? "
 Dalea fremonti big blue, com
 " glandulosa pollydemia "
 " Kraweria parvifolia? "
 " ~~canescens?~~ "
 " ~~eriosoma~~ "
 Eriogonum inflatum "
 " fasciculatum "
 " ~~glabra?~~ leafless "
 Dalea ~~glandulosa~~ big, big blue "
 Washingtonia 3 groves
 Opuntia echinocarpa? a few

India June 10.

Icterus

Sayornis saya com

Lophortyx gambeli + yg. "

Zenaidura "

Sedlicapragus cyanocephalus 1

Pipilo fuscus com

Quercus 1

Helodytes 7 nest, 1

Ereunautus melanocephalus 2

Salpinctes 2

Carpodacus com

Lanius 1

Myiarchus cinerascens 2

Polioptila 2

Auriparus 1

Geothlypis 1

Diposaurus com

Callisaurus "

Otosphyris "

Coccyzophanes "

To Palm Springs

Junell, Palm Springs
up Mt -

Covillea - 2000

Dalea polyadenia - 2000

Krameria parvifolia 2000

" 1500

" 2000

" 2000

" 4300

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

" 3000

India June 10.

Icterus

Sayornis saya com

Lophortyx gambeli + yg. "

Zenaidura "

Sedlicapagus cyanocephalus 1

Pipilo fuscus com

Geothlypis 1

Helodytes + nest, 1

Ereunautus melanoleucus 2

Salpinctes 2

Carpodacus com

Lanius 1

Myiarchus cinerascens 2

Polioptila 2

Auriparus

Geothlypis 1

Dipsosaurus com

Callisaurus "

Orotophyes "

Cnemidophorus "

To Palm Springs

Junell, Palm Springs
up Mts -

Covillea - 22000

Dalea polyadenia - 22000

Krameria parvifolia 22000

Dalea (macrocarpa?) 21500

Ephedra antisiphilitica 22000

Echinocactus wislizeni 22000

Opuntia echinocarpa? yellow f. 54300 23000

" " aspirota? crimson 54900 23000

Mimosa rosea 1000 23000

Yucca whipplei 2000-5200 1800-5000

Hard nut bush " - 3700

Milkweed bush, leafless " - 3700

Artemisia "flata" "

Rapanea polytachia - big bushy "

" " stachyoides rough leaf "

Juniperus monosperma (bush) 1800-

Talassia 1800-5000

Yucca brevifolia 2000-5000

Schonebeckia 2000-6000

Juniperus tomentosa com. " - 5700

Eriodictyon (wooly leaf) " " - 5700

Quercus dumosa? shrub 2800-6000

Cercocarpus parviflorus " " - 6000

Prunus andersonii " " - 3000-7000

Arctostaphylos 2000-6000

Rhus ovata thick leaf 3000-5000

Ceanothus soft leaf 2800-5000

Pinus monophylla 3000-6000

Pachyphylla " 3700-6000

Adiantum fasciculatum S. 4000-7000

Dr. Douglas H. Campbell
Botanist, Stanford.

Mr. Henry M. Campbell.

Castilleja 3000-
Philadelphus microphylla 4800-
Water at 5700 feet
Quercus big, 5700-
Quercus chrysolepis " -
 " *californicus* tree, black, " -
Pinus ponderosa 5700-
Pinus lambertiana 5700-
Abies 7100-
Pinus coulteri com. 5600-

Valley
Prosopis glandulosa a few
 " *pubescens* "
Atriplex lentiformis? big "
Opuntia spinocarpa abn. "
Saba big black com
 " *glandulosa*? "
Croton californicus abn.
Fraxina dumosa? "
Rhamnus purpurea "
Salix lasiolepis "
Atriplex polyacantha "
Covillea "

Eriogonum fasciculatum 7100
Hesperis glabra 7100

San Jacinto Mts - June 11
Corpodacus to 3000 feet abn
Salpinctes 2 at 2000
Catherpes 2 at 1000
Hummer com. 1 shot at 1200
Corvus sinuatus 2 at 500
Chrysomitris palmarum? 1 at 2000
Acananthes melanoleuca com. at 5000
Polyophtila cerulea 1 at 3000
Picus 1 " "
Thryomanes 1 "
Myiarchus cinerascens? 2 "
Buteo calurus B "
Zonotrichia gambeli 1 at 2000, 1 at 5000
Dryobates 1 3700
Aphelocoma 1 "
Taxostomus 1, 5000
Pipilo megalonyx 3, at 5700

Up San Jacinto Mts. - June 11

Neotoma in rocks 2000-
 Ovis? beds & tracks 1000
 Odocoileus track at 2000
 Thomomys 2000-
 Eutamias 3000-
 Citellus fisheri 1
 Lepus arizonae? signs at 4000
 Scapanus ridges 3000-6000
 Palm Springs

In valley

Citellus tereticaudus com
 Thomomys perpaludes "
 Dipodomys deserti "
 " sinuatus
 Amospermophilus leucurus 1

Sceloporus
 Cnemidophorus
 Crotaphytus?
 Gila monster
 Dipodomys

Big Rock 3000-4000
 on mt 3000
 1 cap. Murrey
 1 light

Palm Springs, up Mts.

Lower Sonoran,
 up to 3000 on N. 4000 on S. slopes

Upper Sonoran 3000 on N. to 6000.
 4000 on S. to 7000.

Transition 6000 on N. to
 7000 on S. to.

Trees in yard at Palm Springs

Washingtonia
 Date palms (Sago palm), several varieties
 Gmelina
 Eucalyptus
 Orange & lemon trees
 Olive
 Fig - purple & white san pedro
 Prune & green plums
 Pomegranates
 Guadalupe cypress 1
 Italian cypress 2
 Scotch pine 1
 Camphor tree
 Guava
 Olives, 3 kinds
 Magnolia glauca?
 Agaves
 Yuccas
 Pippertrees
 Parkinsonia - paradise bush.
 Lemon Sago -
 Tamarisk
 Grapes -

Umbrella trees
 Pampas grass - 4 kinds.
 Cosmeryna quadrangulata
 Gaeardii

June 11
Palm Springs
Palm Spring Station
east to White water
White Water Station

" " 3 miles west
Change from extreme to semi arid.
same species but abundant

Cabezone Station
End of desert species

~~except~~
Chilopsis still com.
Opuntia not extensive abn
" spiracles, crossf. b.
Mimosa com
Eriogonum bush "
None of these scarce &

Barro Colorado
All fruit & grain &
alfalfa & crops with
& without irrigation

Echitzia abn
Wild oats "
Grass "
Weeds "
Sturnella neglecta com

Barro Colorado
San Bernardino
Los Angeles

June 12. Los Angeles
Hotel Rosslyn, 5th + Main.

June 13 out to Pasadena & back

June 15 To Oceanside &
Twin Oaks

June 16 To Oceanside
Twin Oaks

Quercus agrifolia
" dumosa
" wislizeni ?
Platanus racemosa
Rhus ovata
" laurina
" diversiloba
Rhamnus polystachya white sage
" stachyoides blue sage
Tonicera subspicata
Erydiction glutinosa
" nivea

Living Oaks

Quercus
Eucalyptus
 Pepper tree
Washingtonia
Chionochloa
Umbellularia
Cypripedium
Adiantum

Orange	do well
Tangerines	"
Lemons	"
Grapefruit	"
Olive	"
Pears	"
Peaches	
Apricots	
Plums	"
Grapes	good
Apples	a few
Squats	1/4
Figs - purple & white	good
Chambray tree	1
Washingtonia	cons
English Walnuts	good

June 18 - Oceanside

Populus
Alnus
Sedix nigra
 " silver leaf
Sycamore
Rhus ovata
 " *laurina*
 "

Myrica heteromela
Platanus racemosa
Sambucus glauca
Artemisia californica like *filifolia*
Lycium on coast
Cotyledon edulis green on edge
Cotyledon pulchellus white on rocks
Yucca moravensis? big, com.
Opuntia engelmannii? abn
Cotyledon pulchellus
 " *edulis*

Oceanside Inland

Cypress abn.
 Eucalyptus many kinds, abn.
 Pines search? com
 Pepper trees abn.
 Fig - white, bearing, com
 Nicotiana glauca
 Zamia
 Agave, big, many species com
 Lantana "
 Washingtonia, 2 sp. "
 Provillea "
 Acacia com
 Olives - over ridge
 Magnolia glauca big tree in place
 Bougainvillea
 Trumpet vine - thorny, big
 Potato vine
 Jasminum 3 varieties, white
 Yucca arborescens
 Date palms
 other palms
 Banana trees 2, 6 ft high.
 Arundinaria tecta, big patches -
 Poinsettia, big bush,

Oceanside, June 18-

Agelaius vociferus com
 Ardea herodias "
 Lophortyx valliola "
 Zenaidura "
 Cathartes "
 Tyrannus vociferans "
 Sayornis nigricans "
 Euphagus cyanocephalus abn.
 Agelaius com.
 Molothrus "
 Otocoris "
 Carpodacus 4
 Pipilo fuscus "
 " "
 Melospiza com.
 Chondestes fasciata 2
 Petrochelidon abn.
 breeding on bank & old mill, 40 nests on and
 of mill, all used,
 Sturnella abn.
 Lanius com
 2, 49.
 Spizella 1
 Vireo 1
 Barn Owl 2 + 4
 Icterus nelsoni 1

Oceanside, June 18-

Citellus richardi

abn

Peromyscus boyleyi

"

gambeli

Rhithrodontomys

com.

Mus musculus

"

Microtus

abn

Neotoma fuscipes

1

Thomomys

abn

Zapus luduboni

"

"

calif-

afew

June 20 San Louis Rey

Lagoon

Fratrea

3 old & 3 eggs

Podilymbus

2/1

Anas horreorum

1

Mosca

Mimus p. leucaptus

Perognathus big 1 in nest

Pituophis

Eutaenia

Sceloporus biserialis

Gerrhonotus scincicauda

Phrynosoma blainvillii

Amesbury Mts., June 20,
Platanus racemosa, along stream
Populus " "
Salix " "
 " " "
 " " "
 " " "
Alnus " "
Quercus agrifolia com
 " ^{wislizeni?} ^{stumpsa?} " "
Rhus diversiloba " "
 " ^{trilobata} " "
 " ^{"monophylla" ovata -} " "
 " ^{"longifolia" laurina} " "
 " ^{"obovata"} " "
Cercocarpus parvifolius " "
Ribes ^{ingulatum} " "
Ceanothus ^{intergrissimus} " "
 " ^{divaricatus} " "
Rhamnus ^{discolor?} com
Adiantum fasciculatum "
Hibiscus ^{bush} "
Lonicera subspicata "
Mimulus "
Ranunculus ^{polytachia} ^{red bush} "
Silene ^{stachyoides} ^{white sage} "
 " ^{blue sage} "
Artemisia californica "
Sambucus glauca "
Heteromela arbutifolia "
 " ^{mustard bush} "
Cotyledon pulchellum a few
Opuntia engelmanni com
Yucca whipplei a few
Heteromela arbutifolia com
Yucca mohavensis a few
 Mustard abn
 Radish "
 Wild oats "
 Treacle thistle "

June 21, Escondido
Eucalyptus abn
Cypress com
Pinus "
China berry "
Umbellata "
 Orange bearing a few
 Olive abn.
Washingtonia a few
Date palm "
Provilias
Auricularia 2 big,
Agave big, com.

Plant Catalogue 1907
No.

1165. *Opuntia occidentalis*

Warner Ranch, June 25,

1166. *Opuntia bernardina*? ~~not found~~

Warner V. June 25,

Oceanside - June 26.

1167. *Asteriscia californica*

June 20

1168. *Populus trichocarpa*

1169. *Alnus rhombifolia*

1170. *Eriogonum fasciculatum*

Capistrano July 10

~~At~~

1171. *Baccharis sericea*? *viminea*

1172. *Baccharis glutinosa*? ~~sericea~~

Trabuco Canyon, July 15

1173. *Ribes* ~~hesperum~~ ^{*hesperum*?} (C) ~~aff. *hesperum*~~, spiny

1174. *Ribes* ~~indocorum~~ ^{*indocorum*?} (C) not spiny

1175. *Quercus dumosa*

1176. *Fraxinus dipetala*

1177. *Rhamnus crocea*

Roberto Carrasco

1178. *Baccharis?* *crucians?* *hufas*

1179. *Pseudotsuga macrocarpa*

Copier

Capistrano, July 16.

1180. *Opuntia prolifera*

on shore of ocean

1181. *Opuntia occidentalis*

spiny

1182. *Opuntia occidentalis*

spiny

Santiago Canyon July 19

1183. *Opuntia*

small

1184. *Salix lasiolepis*

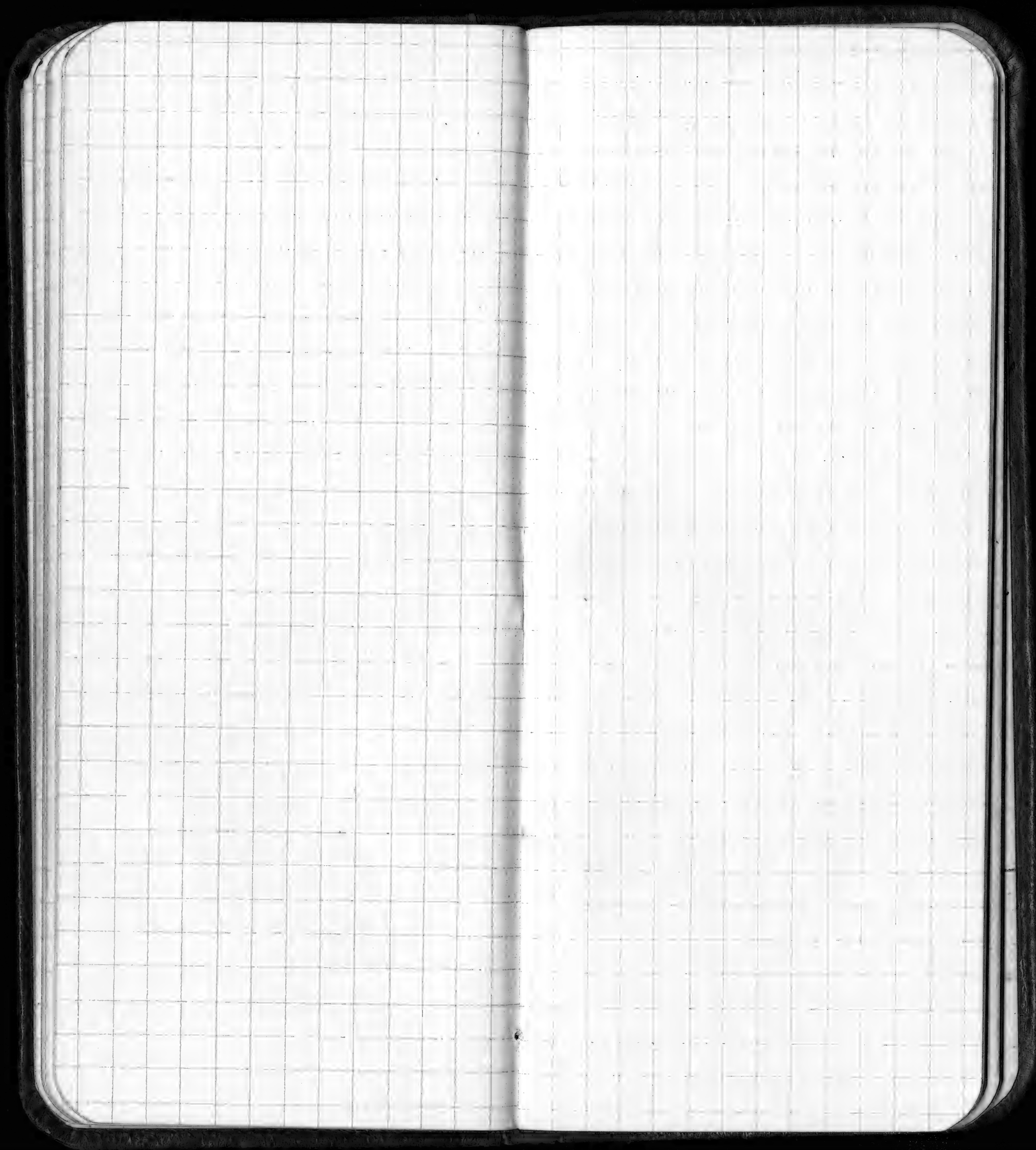
tree

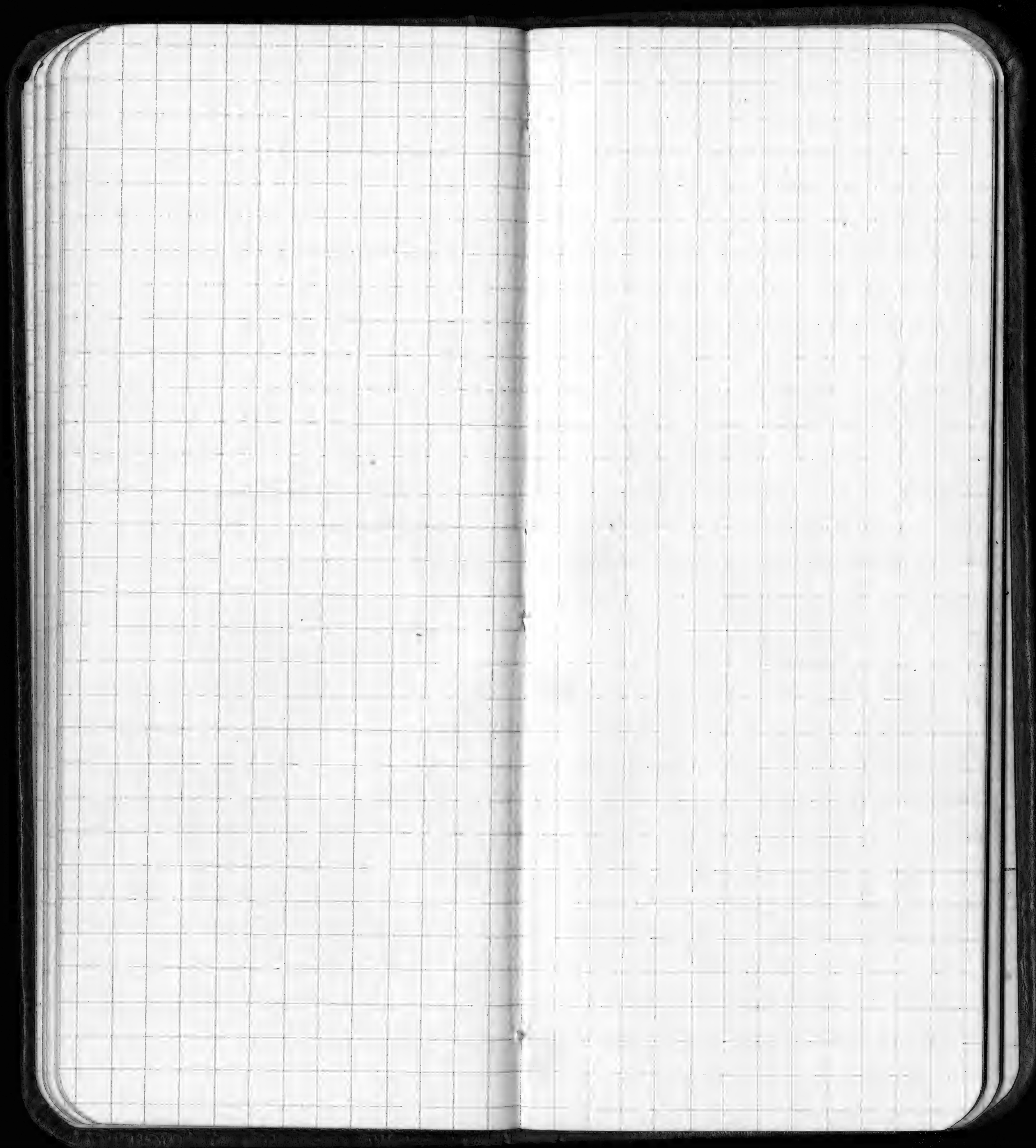
1185. *Salix latifolia*

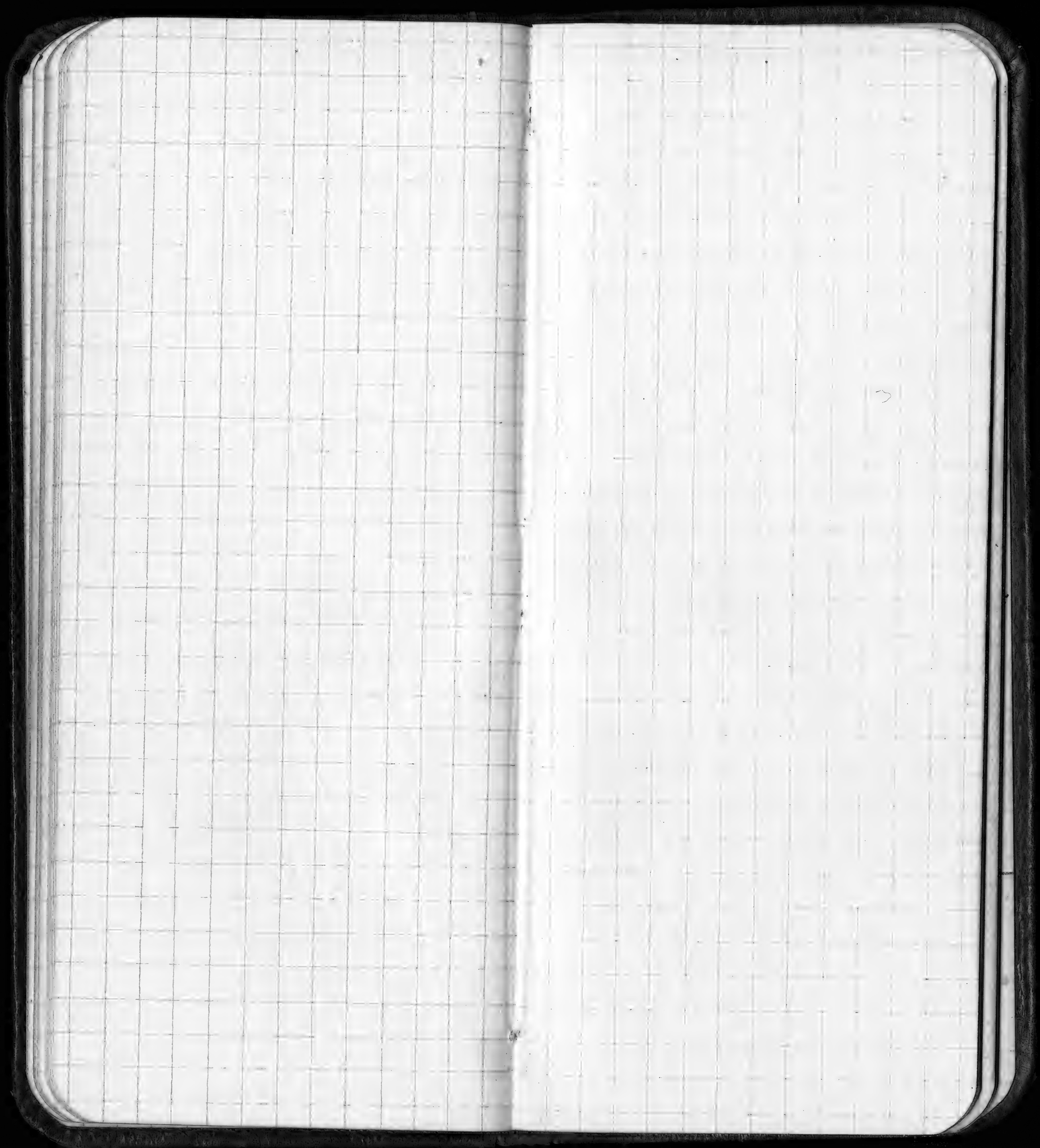
big leaf

1186. *Salix macrostachya* - (small leaf)

1187. *Pentstemon antirrhinoides*
lush, yellow







Jan 22 Esccondido

San Pasquel Valley

Eucalyptus ✓
Popples ✓
Alfalfa
Walnuts - good
Pomegranate 1 in flower
umbrella tree
Western glaucous
Orange 2 trees
Fig
Apple
Siberian good along river
Platanus "
Populus "
Baccharis in flats

White sage on foothills
Blue sage "
Natalia glabra "
Opuntia engelmannii " abn.
Sambucus "
Eriogonum fasciculatum "
Prosopis glandulosa 1 big tree

San Pasquel Valley, Jan 22

Zenaidura	com
Cathartes	"
Lophortyx vallida	"
Agelaius	not observed obs
Euphagus	com
Aphelocoma	3
Melospiza	com
Pipilo fuscus	"
Astragalinus m. hesperophilus	"
" lawrencei	"
Lanius	"
Icteria v. longicauda	heard
Tyrannus vociferans	com
Vireo	heard
Petrochelidon	com at barn
Carpodacus	com
Agelaius phoeniceus	1
Agelaius	
Oxyechus vociferus	1
Dendroica aestiva	2
Sturnella	common
Trachurus	1
Phainopepla	1
Mimus lucifera	a few
Icterus ussuriensis	2
1300 feet	
Contopus richardsoni	com.
Pipilo megalonyx	1 heard
Psathyrus	a family
Melanerpes formicivorus	1
Corvus brachyrhynchos	2

up Canyon

Upper Sonoran begins N. Slope at 7000

Acerobona fasciculata	"
Ceanothus divaricatus	"
Heteranthes	"
Cercocarpus pauciflorus	"
Arctostaphylos	thick bush
Ceanothus integrifolius?	"
Rhus	thick leaf
Mimulus	shrubby
Quercus wislizeni	"
" agrifolia	3000-
" Douglasii	1300-

Divide 1500

Rancho 1400

Eucalypto	
umbrella tree	
Washingtonia	2 young
Alive trees	a few
Lemon trees	4 small, full of fruit
Pepper trees	com. - red & big
Orange trees	just of fruit
Fig	"

Populus

com

Salix

"

Platanus

"

Thorsdendron

2

Rancho

<i>Falco phalaena</i>	(
<i>Otocoris</i>	com
<i>Sialia mex.</i>	h
<i>Agelaius phoeniceus</i>	1
<i>Zenaidura</i>	com
<i>Troglodytes</i>	"
<i>Cathartes</i>	"
<i>Melanerpes formicivorus</i>	1
<i>Tyrannus</i>	com
<i>Carpodacus</i>	"
<i>Aphelocoma</i>	"
<i>Tyrannus</i>	1/2
<i>Pipilo fuscus</i>	abn.
<i>Euphagus</i>	a few
<i>Sturnella</i>	com

Over ridge

Phainopepla 2
Sturnella abn.

Witch Creek

Phalaenoptilus nuttalli heard
Megascops "
Carpodacus abn.
Hummer 1
Habia melanocephala + nest
Icterus

Up slope

- 2500

<i>Adiantum</i>	"
<i>Eriogonum fasciculatum</i>	"
<i>Arctostaphylos</i>	"
<i>White sage</i>	"
<i>Quercus ag?</i>	"
<i>Hesperis</i>	"
<i>Ceanothus divaricatus</i>	2400 "
<i>Arctostaphylos</i>	2400 - "
<i>Sambucus</i>	"

Summit 2500

Witch Creek

Salix 2400
Witch Creek 2800
Apples
peaches
pears
grapes
figs

English Walnuts a few good
Pomegranates 1 small tree in fruit

Quercus agrifolia
" *eximius*
" *laevis*

Salix
Platanus
Wyethia
Paeonia brownii

June 23, Witches Creek 2800

Ridge

3100

Santa Ysabel

3000

Zenaidura

com

Cathartes

"

Melanerpes formicivorus

"

Otocoris

"

Thryothorus

"

Citurniculus

"

Aphelocoma

"

Falco sparverius

2

Foramimus

Sialia bairdi?

com

Corvus brachyrhynchos

2

Speotyto

family

Warner Valley

Corvus brachyrhynchos

com

Falco sparverius

"

Lophortyx valisineria

"

Zenaidura

"

Cathartes

"

Colaptes cafer

2

Melanerpes

3

Dryobates pubescens

1

Aphelocoma

com

Pipilo fuscus

"

Sialia bairdi

"

Mimus

a few

Geothlypis

1

Procorvus

com

Myiarchus

a few

Santa Ysabel

Quercus agrifolia

com

" engelmanni

4

" dumosa

1

Platanus along stream

1

Salix

"

Sambucus glauca

1

Phoradendron flavescens

com

Coccoloba, willow & agaves

Grand Valley

Quercus californica

3300

Wild rose

com

Ceanothus divaricatus

com

Warner Valley

2700

Quercus agrifolia

abundant

" engelmanni

"

" dumosa

"

Sambucus

in bottom

Salix

along stream

Arctostaphylos viscidula

edge, com

Adiantum pseudopeltatum

1

" big red, com in flower

Ceanothus divaricatus

at edge

" cuneatus

"

Prunus ilicifolia

"

Prosopis glandulosa, 1 by

Warner Valley

<i>Coturniculus</i>	heard
<i>Sturnella</i>	com
<i>Oxyechus</i>	X
<i>Sporotylis</i>	?
<i>Chondestes</i>	com
<i>Progne</i>	1
<i>Petrochelidon</i>	abn, breeding
<i>Sayornis</i>	1

<i>Taxidea</i>	com
<i>Canis coyote</i>	com
<i>Citellus beecheyi</i>	abn.
<i>Thomomys</i>	"
<i>Dipodomys</i>	"
<i>Lepus arizonae</i>	com
<i>Peromyscus gambeli</i>	2
" <i>bairdii</i>	2
<i>Microtus californicus</i>	1. vt

Baselium 2
Phrynosoma hernandesi

June 24 Warner P.O. 3000

<i>Opuntia</i>	small arboresc., com
"	echinocarpa? "
<i>Artemisia tridentata</i>	"

Divide 3450

Down San Felipe Valley

<i>Ocaea rostrata</i>	abn. - 2700
<i>Chilopsis</i>	com "
<i>Croton</i>	not "tenuis" "
<i>Eriodictyon glaberrimum</i>	"
<i>Opuntia basilaris</i>	com "
<i>Prosopis glandulosa</i>	2600
<i>Wibauxia</i>	"
<i>Salix nigra</i>	"
"	yellow "

<i>Senecio</i>	on side hills, com.
White sage	"
<i>Eriogonum fasciculatum</i>	"capitulum" "
<i>Populus</i>	in bottom

South side of valley

<i>Agave deserti</i>	abn
<i>Yucca wrightii</i>	"
<i>Juniperus monosperma</i>	"
<i>Quercus dumosa</i>	"
<i>Rhus</i>	big leaf
"Zemgar"	"

June 24th
San Felipe Valley

Leptostyx	com
Carpodacus	"
Minus	"
Icterus bullocki	"
Icterus v. longicauda	"
Geococcyx	1
Lanius	com
Quercus laevis	1
Corvus	a few
Euphagus	"
Colinus pasciata	cf

East end of Valley

Sayornis saya	com
Barn owl in hole in bank	1
Amphispiza bilineata	
Nyctocorax	1

Barren

Phainopepla	com
Ocotilla	sand & sh com
Leptostyx vallicola	com

San Felipe Valley

Crotaphytus	-2700
Cnemidophorus	- "
Rhopile	

Lepus texensis	
" auduboni	
" arizonae	
Citellus tereticaudus	1
Citellus beecheyi	com
Onychomys leucogaster	com
Thomomys	
Dipodomys	
Neotoma	

East end Santa Fe Valley 2400

Prosopis glandulosa abn.

Mimosa racemosa "

Covillea "

Yucca underoii com.

" 'spatulate' big leaf "

Ephedra "

Thamnosoma com.

Coloquintida "

Opuntia echinocarpa "

" 'englemanni' "

Coudalia "

Bigelovia like shrubs, 3 "

Atriplex polycarpa "

Artemisia "

Cercocarpus engelmannii "

Baccharis borealis along cr. "

Banner Gulch 2700

Quercus 3. com.

Platanus "

Populus fremontii "

Alnus "

Salix "

Vitis "

Sambucus "

Yucca whipplei com.

Rhus big leaf "

Adiantum parvifolium "

Horradia glabra "

Ceanothus divaricatus big leaves "

Ceanothus wide leaf abn.

up grade

Ceanothus ilicifolia abn.

Arctostaphylos patula?

Heterorhizus com.

Prunus ilicifolia "

Arctostaphylos ^{rigida} ~~Gilliesii~~ "

Ribes cereum a few

Cercocarpus parviflorus

Ceanothus bush, red,

White sage *Ranunculus polytachia*

Lonicera old

Cercis

Quercus californica 4000 -

" *chrysolepis* " -

Top of Grade 4000

Pinus contorta com.

Quercus californica abn.

" *agrifolia*? on S. slope

"

Arctostaphylos glabra, abn.

Wyethia "

Rhamnus californica? com.

Pteris "

Symphoricarpos ~~asplene~~ abn.

Rosa "

Lupinus big

Penstemon red

Thermopsis big, woody

Platanus in gulches

Phoradendron on rocks, abn.

Julian 4.2.19.

<i>Sturnella</i>	com
<i>Coturniculus</i>	here
<i>Habia melanocephala</i>	abund
<i>Caerodaca</i>	com
<i>Cortopus richardsoni</i>	frs
<i>Chondestes</i>	com
<i>Coryvus</i>	1
<i>Agrospiza canina</i>	2
<i>Tachycineta thalassina</i>	1
<i>Spizella arizonae</i>	1
<i>Spizella</i>	com
<i>Merula pinus</i>	"
<i>Pipilo megalonyx</i>	"
<i>Mogadestes</i>	"
<i>Sitta bairdi</i>	a few
<i>Sitta a. nelsoni</i>	1
<i>Oreoscoptes</i>	reported

River valley to Lake side

<i>Leptoceryx californica</i>	com
<i>Zenaidura</i>	"
<i>Cathartes</i>	a few
<i>Colaptes cafer</i>	2
<i>Trochilus?</i>	a few
<i>Tyrannus vociferans</i>	com
<i>Phainopepla</i>	abund
<i>Chondestes</i>	"
<i>Polygrapha</i>	1

Julian June 25.

Transition zone 4000-5000 ft.

Upper Sonoran 2000 - 4000 ft.

Lower Sonoran - 2000 ft.

River - 1000

<i>Populus fremontii</i>	abund
<i>Platanus</i>	"
<i>Alyrus</i>	com
<i>Salix nigra</i>	"
<i>Quercus agrifolia</i>	"
<i>Alnus</i>	"
<i>White sage</i>	"
<i>Huselia globa</i>	abund
<i>Astragalus californicus</i>	com
<i>Rhus</i> long leaf	"
<i>Croton californicus</i> (not texensis)	"
<i>Eriogonum fasciculatum</i>	"
<i>Baccharis borealis</i>	"
<u>Lake side valley</u>	
<i>Baccharis 'pifolia'</i>	"
" "densifolia"	"

Lakeside

June 24

Orange

big groves, good

Olive

good, abn.

Washingtonia

Eucalyptus

abn

Pepper tree

"

Oleander trees

Agave

big

Umbrella trees

com

Populus fremontii

abn

Salix

"

Platanus

"

Baccharis 'filifolia'

"

"

"

Opuntia engelmannii

"

Sambucus

Eriogonum fasciculatum

Prosopis

1 big tree

White sage - on hot slope

up Sycamore cut good

Adiantum

abn

Ceanothus 'integerrimus'?

"

Heteromeles

"

Prunus 'insipida'

"

Rhamnus 'cuneata'?

"

Lesqueris diversifolia

com

Metastrophylis bicolor

"

Quercus dumosa

abn

Lakeside, June 24

Zonotrichia

com

Lophortyx

abn

Lanius

"

Sturnella

com

Cathartes aura

"

Tyrannus verticalis

com

Lanius ludovicianus

"

Vireo hirsutus

com

Cardinalis

"

Colaptes cafer

"

Chondestes

com

Euphonia

"

Atlapetes

"

Arremonops

"

Geococcyx

"

2nd September

Pipilo fuscus

com

up Grads
 Ribes
 Rhyns *Levisartides* spring
 " *arizh* leaf

"mullen sage" com
Artemisia californica
Yucca whipplei
 Blue sage in places
 top of ridge 1600

Lowry Valley 1000
 open shrubland, lower down

Eucalyptus 100 ft
Grovelia 2 big trees
 Pepper trees
 Agave 'narrow' big

Bernardo Valley
 open shrubland, lower down
Eucalyptus
 'Papa' on ground
 Orange

Escondido

Zwin Oaks

June 27
 To Oceanside

July 2 To San Diego
 In town

Eucalyptus obs.
Auriparia?
Ficus elastica big, com.
 Camphor trees

Grovelia
 Fan palms
 Date palms

Pepper trees obs.
 Umbrella trees
 Acacias trees com

Cypress
 Pines
 Agaves big

Bougainvillea
 Pomegranates, in flower & fruit, com.
Magnolia grandiflora

Fig a few

Del Mar

Pinus torreyana com
Quercus rigida com.

July 4

Santa Anna - Day light

Orange groves extensive

Walnuts "

Apricots "

Los Angeles

Burbank

Opuntia engelmannii abn.

Asclepias (arborescens yellow) "

Artemisia californica "

White sage "

Eriogonum fasciculatum "

Colsonia " "

" Calif. (like *texensis*) "

Boerhaavia borealis "

" "filifolia" "

Sambucus

Cucurbita

Cucurbita whipplei a few

Big grain fields

Chatworth

Yucca

Quercus agrifolia abn.

Rhus glabra big "

Hesperis "

Adiantum "

Blue + white sage "

Artemisia calif. - "

Burbank

Orange

Olive

Walnut

Grapes

Peaches

Apricots

Eucalyptus

Palms

Grains -

Chatworth

Yucca

Quercus lobata, abn., first.

Open valley from Santa Susana
to Yucca - Lower Sonoran.

Grains

Beans

Sugar beets

Ventura

Only low chapped, sage etc.

Eucalyptus abn.

Papaya tree "

Figs + Date palms in yards.

Figs a few large trees

Wikstroemia grandis

Along beach

mainly chapped, low.

Near Santa Barbara

Oil & asphalt.

Eucalyptus big, abn.
Pepper trees abn.
Olives a few groves
Date & fan palms abn.
Yucca arborescens com.
Orange trees, a few in yards
Nicotiana glauca com.
Walnuts good fields,
Loquats com.
Curatarias? "
Elaeagnus "
Platanus "
Quercus agrifolia "

Santa Barbara

Peppertrees
Figs
Loquats
Palms - many kinds
Curatarias
Banana trees
Ficus elastica? 1 big tree

San Louis Obispo

Paso Robles

San Francisco 21 A.M.

July 5 up Mt. Taumapias

Redwoods

Quercus agrifolia
Platanus
Alnus
Populus
Salix
Acer macrophyllum
Umbellularia
Nerthranthes
Rhus
Ceanothus coradiatus
" thyrsiflorus
" foliolosus
" cuneatus
" jacksonii

Arctostaphylos tomentosa
" canescens

Eriodictyon glutinosum
Dendroica rigida
Castroville
Adenostoma fasciculata
Azalea occidentalis
Cupressus goveniana
Quercus dumalis
" arborescens
" densiflora
" bullata

Corylus rostrata
Xylothermia walteri

In gulch

"

"

"

"

"

"

"

Mt. Tamalpais

Chrysothamnus arborescens
Rosa bracteata
Vaccinium ovalifolium
Rhamnus californica
Garrya fremontii
" egyptica
Prunus emarginata
Lonicera
Rosa gymnocarpa
Psoralea arborescens
Pseudotsuga taxifolia
Torrey

July 7 San Francisco

Oakland 5:38 P.M.

Eucalyptus com
Washingtonia "
Pineapple ? "
Pepper tree "
Fig "
Tree ferns

Fruitfuls

Apricots abn
Peaches "
Pears "

San Leandro

English walnuts a few
Apricots abn
Peaches "
Pears "
Potatoes "
Beans "
Oats "

San Lorenzo

Rhubarb fig fields
alfalfa abn.

Hayward

Warm Springs

Olives fig trees

San Jose - dark

July 8 To Los Angeles

July 9 Los Angeles

Anheim

<i>Opuntia occidentalis</i>	abn.
<i>Croton californicus</i>	"
<i>Eremocarpus setigerus</i>	"
<i>Erigeron</i> <i>sericea</i> along stream	
<u>Orange</u>	
<i>Opuntia occidentalis</i>	"
<i>Croton californicus</i>	
<i>Eremocarpus setigerus</i>	
<i>Baccharis sericea</i> along stream	
Oranges etc.	abn.
Loquats	com.
Figs	
Campbell Tree	big
Palm trees many kinds	abn.
Walnuts	"
Piper trees	"
Eucalyptus	"
<i>Magnolia glauca</i> in place	1
Yucca tree	com.

At 7020.
Cepistrano

Cepistrano

<i>Platanus racemosa</i>	com.
<i>Salix</i>	abn.
"	"
<i>Sambucus glabra</i>	"
<i>Quercus agrifolia</i>	2
<i>Nicotiana glauca</i>	com.
<i>Baccharis</i> ^{<i>minima</i>} <i>sericea</i>	"
"	low - "
<i>Rosa</i>	by ex. in blossom
<i>Opuntia occidentalis</i> big	com.
<i>Cylindropuntia bernardina</i> ?	a few
<i>Eremocarpus setigerus</i>	
<i>Artemisia californica</i>	
<i>Opuntia bernardina</i> ?	com.
" <i>occidentalis</i> ?	"
"	very a few
"	spindless

At Shore

<i>Rhus integrifolia</i>	com.
<i>Eriogonum fasciculatum</i>	abn.
<i>Atriplex</i>	com.
<i>Stachys</i> <i>Isomeris arborea</i>	"
<i>Lycium</i>	a few
<i>Suaeda</i>	abn.
<i>Opuntia littoralis</i> ?	big
" <i>prolifera</i>	"

Capistrano
 Oranges com. good,
 Lemons " "
 Pomegranates in flower + fruit, com
 Olives " "
 Loquats 1 tree
 Bananas, small, kill down,
 Fig com
 Fan palm "
 Date like palms "
 Pepper trees abn.
 Eucalyptus "
 Walnuts, English - "
 Acacias a few.

Capistrano, July 9,
Buteo elegans com
Falco philoene 2 com
Barn Owl old + yg. com
Sparrow com
Catherpes aura com
Zenaidura "
Zonotrichia albicollis 1
Oryzopsis com
Colaptes collaris 8 abn.
Trochilus alexandri com
^{californicus}
Oreoscoptes melanochrous 4 com
Tyrannus vociferans com
Sayornis nigricans "
Vireo streptocipitis 2 com
Agelaius neutralis com
Euphagus cyanocephalus com
Melospiza m. frontalis 1 yg. com
Carpodacus californicus com
Pipilo f. sinicola "
Astragalinus lawrencei "
^{hesperophilus, green}
Mimus com
Icterus nelsoni "
Petrochelidon nests abn
Sturnella 2 com.
Ceryle alcyon 1
Lanius 4
Troglodytes a pair com
Lagostomus 1
Corvus brachyrhynchos 7
Chondestes a family, 5 yg. + old.

Cipistras July 10 & 11.

<i>Aquila chrysaetos</i>	7
<i>Charadrius texensis</i>	3
<i>Otocoris</i>	5
<i>Zonotrichia verticalis</i> 1 dd, 1 yg.	
<i>Dendroica gestiva</i>	com
<i>Cyanospiza cyanea</i>	
<i>Geothlypis trichas</i>	com
<i>Ardea herodias</i>	1 nest
<i>Myiarchus</i>	"
<i>Chondestes</i>	"
<i>Sayornis saya</i>	1 July 14
<i>Icteria virens</i>	a few
<i>Buteo swainsoni</i>	1 black

up Trabuco Canyon July 15

<i>Contopus richardsoni</i>	com
<i>Progne subis</i>	8
<i>Abelocoma</i>	com
<i>Chamaea</i>	com
<i>Phainopepla</i>	12
<i>Corvus sinuatus</i>	3
<i>Pipilo megalonyx</i>	1

July 15 up Trabuco Canyon

<i>Platanus racemosa</i>	abn
<i>Salix</i>	2 sp.
<i>Quercus agrifolia</i> ?	a few
<i>Alnus rhombifolia</i>	"
<i>Sambucus glauca</i>	"
<i>Artemisia californica</i>	com
<i>Baccharis</i> virginica ^{vitifolia}	com
" <i>pillularis</i> ?	"
" <i>laevis</i> (1170)	"
School House 1200 ft	
<i>Rhus laurina</i>	x
<i>Ranunculus polytachus</i>	x
" <i>stachysoides</i>	x
<i>Eriogonum tomentosum</i>	1200-1400
<i>Audubon pulchellus</i>	"
<i>Yucca whipplei</i>	1300-
<i>Rhamnus californica</i>	"
<i>Populus trichocarpa</i>	a few at 900 ft
<i>Rhamnus californica</i>	1300-
" <i>tomentosa</i>	"
<i>Ceanothus divaricatus</i>	1200-
" <i>intergerimus</i>	"
<i>Hesperomela</i>	1400-
<i>Rhus ovata</i>	1400
" <i>trilobata</i>	1300-
" <i>diversiloba</i>	"
<i>Eriogonum fasciculatum</i>	1200-
<i>Ranunculus coulteri</i>	800-
<i>Hesperomela glauca</i>	1200-
<i>Lonicera subopifera</i>	1300-
<i>Adiantum fasciculatum</i>	1300-
<i>Thymellaria</i>	1 of 1500 - perched

In Canyon 1300 - 2300 feet

Vitis

Prunus ilicifolia

Ribes

"

Populus fremonti 1 at 2000 -

Quercus dumosa 2300 -

Pseudotsuga narrowarpa " -

Acer grandidentata " -

Fraxinus bipetala " -

Cercocarpus parvifolius .. scw.

Rubus blackberry 2000 -

" raspberry " -

Pteris " -

Adiantum " -

Woodwardia " -

Christmas fern? " -

Psoralea borealis " -

Lilium " -

Pinus contorta 3 grooves

Juniperus said to be a little

Umbellularia "in places"

Quercus wislizeni? "white oak"

Reported by forest ranger Robbins.

July 19 up San Diego Canyon

Platanus racinosa

Amureus agripolia

Satix

"

"

Sambucus glauca

Rhus laurina

" ovata

" diversiloba

Baccharis viridis

Populus trichocarpa

Rhus stachyoides

" polystachia

" nica

Eriogonum ~~nica~~ tomentosum

Umbellularia 1 tree

Opuntia yellow spines, big

" spines -

" spiny, little

" branched?

Artemisia californica

"

"

Lunch 1000 feet

Heteromeles

Adenostoma procumbens

Rhamnus crocea

Romneya coulteri

Ribes

Baccharis spring

Ceanothus foetidus

Rhamnus tomentosa
Croton californicus
Eumecarpus setiger
Rosa
Vincetoxicum glutinosum
Grindelia
Madia elegans
Helianthus
Mustard
Leucotis thistle

Santa Ana & vic.

Palms, Phoenix, many kinds large
 Washingtonia " " large
 Yucca palms com.
 Cryptomeria whorled branches
 " spiny leaved
 Camphor trees abn.
 camphor like trees, cup flowers
 Eucalyptus abn. big
 Pepper trees " "
 Magnolia glauca com. big.
 Acacia trees "
 Orange great groves
 Lemon " "
 Loquat com.
 Fig, apricot, peach, pear, "
 Walnuts abn.
 Poinsettia in town
 Papyrus "
 Castor bean abn.
 Peas, beans, chilies, tomatoes
 peanuts, sweet potatoes, com.
 Pomegranates full of fruit
 Olives east on hills

July 21, Santa Ana
To Newport beach & back
Beach

Abronia

Mesembryanthemum latral

Atriplex

Suaeda

Salicornia?

Back on mesa

Opuntia occidentalis, on banks

Chenopodium setigerum

Com

Madia elegans

u

Grindelia

u

Mustard

u

Wild oats

u

grass

u

Eriogonum fasciculatum

a little on high banks

a

Howard K. O'Brien, supervisor
Wallowa, Oregon

Coville in care of O'Brian

W. F. Adams

Shattuck, Oklahoma

Joseph Greinwell, 576, N. Mareno
Seven Oaks now in Wts

Mr. Andrew Hopper

Lordsburg, N. M.

Mrs. E. L. Fuller, Lordsburg

C. L. Shaw, Casa Grande, Ariz.

Dr. Willwood Murry, Palm Springs

Mr. C. Wood, Witch Creek

Joseph Hedges, First Nat. Bank.
Ereondido, Calif.

H. T. Blake, Oceanside

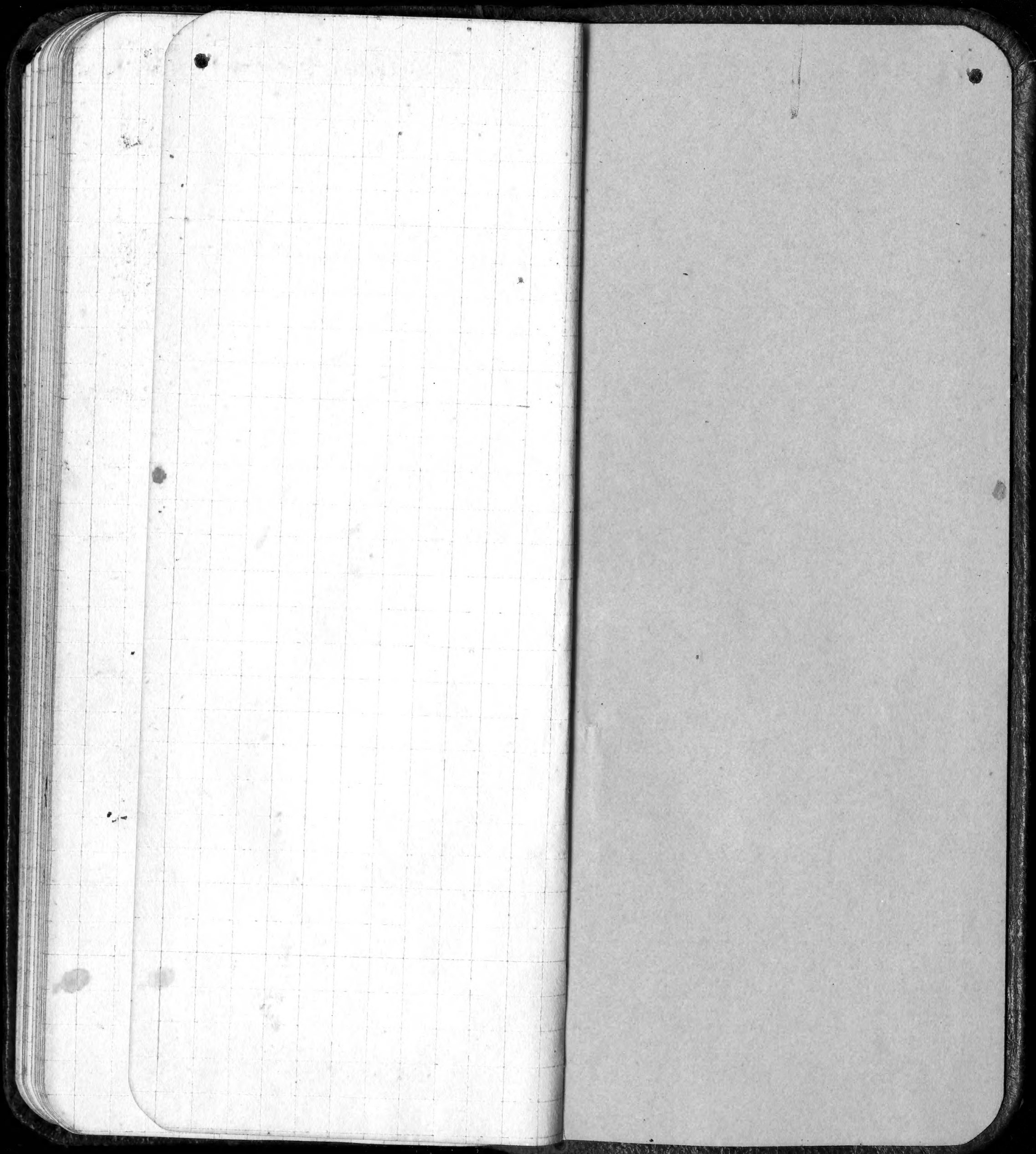
S. C. Mason, B. P. I.

Met at Indio, Calif.

Walter Lewis Kurn, photographer

Los Angeles, 321 S. Hill St.

Griffin Hayes, Livery Stable
Oceanside.



2590 1/4

Winds Hotel
Cedar Grande

Jack M.E. Cory, California

Witch, Ca.

Fishes by R.A.
Rogers to Wilson Creek

Mrs. Marshall

H. Bowie

The Post, H. Brown

3811 House

3111 Laboratory

25 U.S. Dept.

Wild flowers of Calif.

Buck + ~~Lewis~~ Parsons

Calif. Wild Flowers

By Mrs. Davidson

H. Brown for staff party

E.L. Vail Tucson
for staff party

389, check to Greens

P.S. Sporkman killed
Ami Golsh has charge
^{also, Miss Appard}
San Juan Indians baskets

F.W. Koch
2043 Barrman St.

W.M. 3736
Am. Nat. Hist.

Prof. Spalding, Tucson
for Calif. Farnas when out

Botany of Los Angeles Region
Abrams.

Remston 10th + E. Room 26

W.S. Rice, Stockton

530 North Commerce

